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## CATALOGUE

— OR —

## FERNS OF NORTH AMERICA

— IN —

Lorenzo G. Yates' Collection,

SANTA BARBARA, CAL.

Being a full list of all the known species found in the  
United States and British America.





# CATALOGUE

{— OF ——}

## FERNS OF NORTH AMERICA

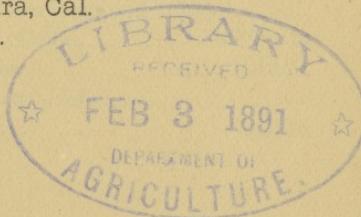
{— IN ——}

Lorenzo G. Yates' Collection,

SANTA BARBARA, CAL.

Being a full list of all the known species found in the  
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- 
- Santa Barbara, Cal.  
1886.



KODAK SAFETY FILM

BEST SAFETY FILM

100% SAFETY FILM

# FERNS OF NORTH AMERICA

— IN —

L. G. YATES' COLLECTION.

## ACROSTICHUM.

*Acrostichum aureum* ..... *L.* Florida and Trinidad, W. I.

## ADIANTUM.

<i>Adiantum capillus-veneris</i> .....	<i>L.</i> .....	California and Mexico
" " crested var..	" .....	Santa Barbara, Cal.
" <i>emarginatum</i> .....	<i>Hook.</i> .....	California
" <i>pedatum</i> .....	<i>L.</i> .....	Illinois; California; Oregon
" <i>tenerum</i> .....	<i>Swtz.</i> .....	Florida
" <i>tricholepis</i> .....	<i>Fee.</i> .....	

## ASPIDIUM.

<i>Aspidium acrostichoides</i> .....	<i>Swtz.</i> .....	Illinois
" " var. <i>incisum</i> .. <i>Gray</i> .....	" .....	Virginia
" <i>aculeatum</i> .....	<i>Swtz.</i> .....	California
" " var. <i>angulare</i> .. <i>Braun</i> .....	" .....	"
" " <i>braunii</i> .. <i>Dæll</i> .....	" .....	Vermont
" " <i>lobatum</i> .....	" .....	California
" " <i>californicum</i> .....	" .....	"
" " between <i>californicum</i> and typical .. <i>Cal.</i>	" .....	
" " <i>scopulinum</i> .. <i>Eaton</i> .....	" .....	California
" <i>bootii</i> .....	<i>Tuckm.</i> .....	Illinois
" <i>conterminum</i> , var. <i>strigosum</i> .. <i>Eaton</i> .....	" .....	
" <i>cristatum</i> .....	<i>Swtz.</i> .....	Ohio

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<i>Aspidium cristatum</i> , var. <i>clintonianum</i> ..	<i>Eaton</i> .....	New York
" <i>felix-mas</i> .....	<i>Swtz</i> .....	Utah
" <i>fioridanum</i> .....	<i>Eaton</i> .....	Florida
" <i>fragrans</i> .....	<i>Swtz</i> .....	Vermont
" <i>goldieanum</i> .....	<i>Hook</i> .....	Ohio
" <i>juglandifolium</i> .....	<i>Kze</i> .....	Arizona
" <i>lonchitis</i> .....	<i>Swtz</i> .....	Canada
" <i>marginale</i> .....	<i>Swtz</i> .....	New Brunswick; Mass.
" <i>mohrioides</i> .....	<i>Borg</i> .....	California
"        var. <i>scopulorum</i> .....		"
" <i>munitum</i> .....	<i>Kaulf</i> .....	"
"        var. <i>imbricans</i> ..	<i>Eaton</i> .....	California and Oregon
"        " <i>inciso-serratum</i> ..	.....	California
"        " <i>nudatum</i> ..	.....	"
" <i>nevadense</i> .....	<i>Eaton</i> .....	California
" <i>noveboracense</i> .....	<i>Swtz</i> .....	Ohio
" <i>oreopteris</i> .....	<i>Swtz</i> .....	
" <i>patens</i> ....	<i>Swtz</i> .....	Santa Barbara, California
" <i>patulum</i> .....	.....	Arizona
" <i>rigidum</i> .....	<i>Swtz</i> .....	
"        var. <i>argutum</i> ..	<i>Eaton</i> .....	California
" <i>spinulosum</i> .....	<i>Swtz</i> .....	New Brunswick
" <i>spinulosum</i> , var. <i>dilatatum</i> ..	<i>Hornm</i> .....	Oregon
"        " <i>intermedium</i> ..	<i>Eaton</i> .....	Mexico
" <i>thelypteris</i> .....	<i>Swtz</i> .....	New York
" <i>trifoliatum</i> .....	<i>Swtz</i> .....	Florida
" <i>unitum</i> , ver. <i>glabrum</i> ..	<i>Mett</i> .....	

## ASPLENIUM.

<i>Asplenium angustifolium</i> .....	<i>Mich</i> .....	Illinois
" <i>bradleyi</i> .....	<i>Eaton</i> .....	
" <i>cicutarium</i> .....	<i>Swtz</i> .....	Mexico
" <i>dentatum</i> .....	<i>L</i> .....	Florida
" <i>ebeneum</i> .....	<i>Ait</i> .....	New York
"        var. <i>proliferum</i> ..	<i>Eaton</i> .....	
" <i>ebenoides</i> .....	<i>Scott</i> , .....	
" <i>felix-fœmina</i> .....	<i>Bernh</i> ..	Arizona and California
"        var. <i>angustum</i> ..	<i>Eaton</i> .....	"
"        " <i>cristatum</i> ..	.....	"
"        " <i>cyclosorum</i> ..	.....	"

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<i>Asplenium felix-femina</i> , var. <i>exile</i> ..	California
" <i>firmum</i> ..... <i>Kze</i> .....	Florida
" <i>glennei</i> ..... <i>Baker</i> .....	Arizona
" <i>monanthemum</i> ..... <i>L</i> .....	Arizona
" <i>montanum</i> ..... <i>Willd</i> .....	Alabama
" <i>parvulum</i> ..... <i>M. and G</i> .....	Arizona
" <i>pinnatifidum</i> ..... <i>Nutt</i> .....	Alabama
" <i>rhizophyllum</i> ..... <i>Kze</i> .....	
"    var. <i>myriophyllum</i> .. <i>Mett</i> .....	Florida
" <i>rutamuraria</i> ..... <i>L</i> .....	Ohio
" <i>septentrionale</i> ..... <i>Hoffm</i> .....	Arizona
" <i>serratum</i> ..... <i>L</i> .....	
" <i>thelypteroides</i> ..... <i>Mich</i> .....	New Brunswick
" <i>trichomanes</i> ..... <i>L</i> ....	New York and Illinois
"    "    var. <i>incisum</i> .. <i>Moore</i> .....	California
" <i>viride</i> .....	Vermont

## ANEMIA.

<i>Anemia adiantifolia</i> .....	<i>Swtz</i> .....	Florida
" <i>mexicana</i> .....	<i>Klotz</i> .....	

## BLECHNUM.

<i>Blechnum serrulatum</i> .....	<i>Rich</i> .....
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## BOTRYCHIUM.

<i>Botrychium boreale</i> .....	<i>Milde</i> .....
" <i>lanceolatum</i> .....	<i>Ang</i> .....
" <i>lunaria</i> .....	<i>Swtz</i> .....
" <i>matricariæfolium</i> .. <i>A. Br</i> .....	New York
" <i>simplex</i> .....	<i>Hitch</i> .....
" <i>ternatum</i> .....	<i>Swtz</i> .....
"    var. <i>dissectum</i> .. <i>Milde</i> .....	"    "
"    " <i>lunarioides</i> .. <i>Milde</i> .....	Ohio
"    " <i>obliquum</i> .. <i>Milde</i> .....	New York
" <i>virginianum</i> .....	<i>Swtz</i> ....
	Illinois and New York

## CAMPOTOSORUS.

<i>Camptosorus rizophyllus</i> .....	<i>Link</i> .....	Illinois
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## CERATOPTERIS.

<i>Ceratopteris thalictroides</i> .....	<i>Brongn</i> .....	Florida
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## CHEILANTHES.

<i>Cheilanthes argentea</i>	.....	<i>Hook</i> .....	
" <i>alabamensis</i>	.....	<i>Kze</i> .....	Arizona and Tennessee
" <i>californica</i>	.....	<i>Mett</i> .....	California
" <i>clevelandii</i>	.....	<i>Eaton</i> .....	"
" <i>cooperæ</i>	.....	<i>Eaton</i> .....	"
" <i>eatonii</i>	.....	<i>Bkr</i> .....	Arizona
" <i>fendleri</i>	.....	<i>Hook</i> .....	Mexico and California
" <i>gracillima</i>	.....	<i>Eaton</i> .....	"
" <i>lanuginosa</i>	.....	<i>Nutt</i> .....	Arizona
" <i>lendigera</i>	.....	<i>Swtz</i> .....	"
" <i>leucopoda</i>	.....	<i>Link</i> .....	
" <i>lindheimeri</i>	.....	<i>Hook</i> .....	Arizona
" <i>microphylla</i>	.....	<i>Swtz</i> .....	Florida
" <i>myriophylla</i>	.....	<i>Desv</i> .....	Arizona
" <i>parishii</i>	.....	<i>Dav</i> .....	
" <i>scariosa</i>	.....	<i>Baker</i> .....	Arizona
" <i>tomentosa</i>	.....	<i>Link</i> .....	"
" " <i>var. eatoni</i> ..	.....		"
" " "	.....		"
" <i>vestita</i>	.....	<i>Swtz</i> .....	Colorado
" <i>wrightii</i>	.....	<i>Hook</i> .....	Arizona

## CRYPTOGRAMME.

<i>Cryptogramme acrostichoides</i>	... <i>R. Br</i> .....	California
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## CYSTOPTERIS.

<i>Cystopteris bulbifera</i>	.....	<i>Bernh</i> .....	Canada
" <i>fragilis</i>	.....	<i>Bernh</i> .....	Ohio and California
" <i>montana</i>	.....	<i>Bernh</i> .....	British America

## DICKSONIA.

<i>Dicksonia pilosiuscula</i>	.....	<i>Willd</i> .....	New Brunswick
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## GYMNOGRAMME.

<i>Gymnogramme hispida</i>	.....	<i>Mett</i> .....	Arizona
" <i>triangularis</i>	....	<i>Kaulf</i> .....	California
" " <i>var. argentea</i> ..	....		Yosemite, Cal.

## LOMARIA.

- Lomaria spicant ..... *Desv.* ..... Oregon  
 " " var. serratum ..... *Woll.* .....

## LYGODIUM.

- Lygodium palmatum* ..... *Swtz.* ..... Massachusetts

## NEPHROLEPIS.

- Nephrolepis exaltata* ..... *Schott.* ..... Florida

## NOTHOLÆNA.

- Notholæna aschenborniana* ..... *Klotz.* .....
- " *californica* ..... *Eaton* }  
 " var. *cretacea* ..... *Dav.* } ..... California and Arizona
- " *candida* ..... *Hook.* .....
- " *dealbata* ..... *Kze.* ..... Arizona
- " *fendleri* ..... *Kze.* ..... Colorado
- " *ferruginea* ..... *Hook.* ..... Arizona
- " " var. *parva* ..... *Jam.* ..... "
- " *grayi* ..... *Daven.* ..... "
- " *hookeri* ..... *Eaton.* ..... "
- " *lemmoni* ..... *Eaton.* ..... "
- " *newberryi* ..... *Eaton.* ..... California
- " *nivea* ..... *Desv.* ..... Arizona
- " " var. *dealbata* ..... *Kze.* ..... Arkansas
- " *parryi* ..... *Eaton.* ..... California
- " *sinuata* ..... *Kaulf.* .....
- " " var. *angustata* ..... *Lem.* ..... Arizona
- " " " *breviata* ..... *Lem.* ..... "
- " " " *crenata* ..... "
- " " " *platyphylla* ..... "
- " *tenera* ..... *Gillies.* ..... Santa Barbara, California

## ONOCLEA.

- Onoclea sensibilis* ..... *L.* ..... New York
- " " var. *obtusiloba* ..... *Torr.* ..... " "
- " *struthiopteris* ..... *Hoffm.* ..... " "

## OPHIOGLOSSUM."

- Ophioglossum crotalophoroides* ..... *Walt.* .....

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Ophioglossum nudicaule.....	<i>L.</i>	
" palmatum.....	<i>Plum.</i>	
" vulgatum.....	<i>L.</i>	New Hampshire

## OSMUNDA.

Osmunda cinnamomea.....	<i>L.</i>	New York
" " var. frondosa.....		Massachusetts
" claytoniana.....	<i>L.</i>	New York
" regalis.....	<i>L.</i>	" "

## PELLÆA.

Pellæa andromedæfolia.....	<i>Fee.</i>	California
" " red var.....		"
" aspera.....	<i>Baker.</i>	
" atropurpurea.....	<i>Link.</i>	New York
" brachyptera.....	<i>Baker.</i>	California
" breweri.....	<i>Eaton.</i>	"
" bridgesii.....	<i>Hook.</i>	"
" cordata.....	<i>J. Smith.</i>	Arizona
" densa.....	<i>Hook.</i>	California
" flexuosa .....	<i>Link.</i>	
" gracilis.....	<i>Hook.</i>	New York
" marginata.....	<i>Baker.</i>	California and Arizona
" ornithopus.....	<i>Hook.</i>	California
" " var. brachyptera..		"
" pulchella.....	<i>Fee.</i>	Hawaiian Is
" ternifolia.....	<i>Link.</i>	
" wrightiana.....	<i>Hook.</i>	Arizona
" " var. longimucronata.....		Arizona
" " " californica.....		California
" " " compacta..		

## PHEGOPTERIS.

Phegopteris alpestris.....	<i>Mett.</i>	California
" dryopteris.....	<i>Fee.</i>	New Hampshire
" " var. robertianum.....		
" hexagonoptera.....	<i>Fee.</i>	Ohio
" polypodioides.....	<i>Fee.</i>	New York

## POLYPODIUM.

<i>Polypodium aureum</i>	<i>L.</i>	Florida
" <i>californicum</i>	<i>Kaulf.</i>	California
" " var. <i>intermedium</i>	<i>Eaton.</i>	"
" <i>falcatum</i>	<i>Kell.</i>	Oregon
" <i>incanum</i>	<i>Swtz.</i>	
" <i>pectinatum</i>	<i>L.</i>	Florida
" <i>phyllitidis</i>	<i>L.</i>	Florida
" <i>plumula</i>	<i>H. B. K.</i>	Florida
" <i>scouleri</i>	<i>H. and G.</i>	California
" <i>swartzii</i>	<i>Baker.</i>	Florida
" <i>thysanolepis</i>	<i>A. Br.</i>	Arizona
" <i>vulgare</i>	<i>L.</i>	Illinois and Arizona
" " var. <i>occidentale</i>		California

## PTERIS.

<i>Pteris aquilina</i>	<i>L.</i>	New Brunswick
" " var. <i>caudata</i>	<i>Hook.</i>	Florida
" " " <i>lanuginosa</i>	<i>Bong.</i>	California
" <i>cretica</i>	<i>L.</i>	Florida
" <i>longifolia</i>	<i>L.</i>	"
" <i>serrulata</i>	<i>L.</i>	"

## SCHIZÆA.

<i>Schizæa pusilla</i>	<i>Pursh.</i>	New Jersey
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## SCOLOPENDRIUM.

<i>Scolopendrium vulgare</i>	<i>Sm.</i>	New York
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## TAENITES.

<i>Tænites lanceolata</i>	<i>R. Br.</i>	Florida
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## TRICHOMANES.

<i>Trichomanes petersii</i>	<i>Gray.</i>	Alabama
" <i>radicans</i>	<i>Swtz.</i>	Alabama

## VITTARIA.

<i>Vittaria lineata</i>	<i>Sm.</i>	Florida
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## WOODWARDIA.

Woodwardia angustifolia.....	<i>Sm</i> .....	New Jersey
“ radicans, var. americana.....	<i>Sm</i> .....	California
“ virginica.....	<i>Sm</i> .....	Indiana

## WOODSIA.

Woodsia glabella.....	<i>R. Br</i> .....	Vermont
“ hyperborea.....	<i>R. Br</i> .....	
“ ilvensis.....	<i>R. Br</i> .....	Massachusetts
“ mexicana.....	<i>Fee</i> .....	Arizona
“ obtusa.....	<i>Torr.</i> .....	Virginia; Illinois;
“ oregana.....	<i>Eaton</i> .....	
“ scopulina.....	<i>Eaton</i> .....	Colorado

## ADDENDA.

Cheilanthes Pringlei, *Davenp.*; Bull. Torr. Bot. Club, vol. x, p. 61, t. 34; Arizona.

Cheilanthes viscosa, *Davenp.*; Bull. Torr. Bot. Club, vol. vi, p. 192.; California.

Ophioglossum Californicum, *Prantl.*; Jahrb. Berl. Bot. Gard., vol. iii, p. 315; California.

Ophioglossum Engelmanni, *Prantl.*; Jahrb. Berl. Bot. Gard., vol. iii, p. 318; Southern United States.



